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Replacement of PCB C300 CPU

4512 104 99531

SERVICE MANUAL – Subsystem/UNIT
742

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In case there are any questions concerning this manual,
please send this LOPAD via fax to 49/(0)40/5078 2481

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List of pages and drawings (LOPAD)

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1. Introduction and technical data

1.1. Purpose of manual

When the PCB C300 CPU is ordered from the service, the service sends a new PCB C300 CPU with installed human interface software (C300 D2) because the new PCB C300 CPU (4512 178 00141) is not compatible with the old human interface (4512 113 20525) software.

1.2. Items supplied

4512 104 99531 Kit: ”Replacement of PCB C300 CPU”

Consists of:

- 4512 178 00141 Unit operating panel CPU C300
- 4512 113 20531 Human interface software C300 D2
- 4512 984 27751 This manual

1.3. Compatibility

The new unit operating panel CPU is compatible with operating panel 9890 000 0240X.

1.4. Tools/material required

Standard set of service tools

1.5. Safety information

The general legal and factory safety recommendations for this X-ray equipment and the following recommendations must be strictly observed!
Start of operation and maintenance work and, especially, electrical work must only be executed by authorized persons.

Warning!
The system/component must be switched OFF during replacement work.
Any X-ray unit produces ionizing radiation which may be harmful if not properly controlled. Therefore, it is recommended that this equipment be operated in accordance with the guidelines set down by the national council on radiation protection.

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2. Installation

2.1. General

Caution!
When handling PCBs take all necessary electro static discharge (ESD) precautions!

2.2. Preparatory work

- Turn Off the generator and ENF1.
- Disconnect all the cables from the operating panel.

2.3. Installation

- Remove the release switch from the operating panel (two screws).
- Remove the bottom of the desk (eight screws).
- Remove the cable for the release switch from C300 X3.
- Remove the long nuts from C300 X1 / X2 / X3.
- Remove the four fixing screws from PCB C300 CPU.
- Install the new PCB C300 CPU (4512 178 00141) with the installed human interface software C300 D2 (4512 113 20531).
- Fix the new PCB C300 CPU with the four fixing screws.
- Install the long nuts of C300 X1 / X2 / X3.
- Install the bottom of the desk.
- Install the release switch.
- Connect the cables at the operating panel.

2.4. PCB C300 CPU

Send the old PCB C300 CPU (4512 178 00062) without the human interface software (C300 D2) to service logistics Hamburg.

2.5. Disposal

Dispose the old human interface software (4512 113 20252) according to local regulations.

2.6. Modify the documentation

Modify the customer card *("Stammkarte")* (printed on yellow cardboard) and the copy of the customer card (fixed on the cover from the converter group EQ in the generator) and the code numbers at the operating panel by hand.

2.7. Final test

- Switch ON ENF1.
- Switch ON the generator.
- Test all applicable functions.

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